

Date: Wed, 23 Mar 94 04:30:42 PST  
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>  
Errors-To: Ham-Equip-Errors@UCSD.Edu  
Reply-To: Ham-Equip@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Equip Digest V94 #75  
To: Ham-Equip

Ham-Equip Digest                      Wed, 23 Mar 94                      Volume 94 : Issue    75

Today's Topics:

2m HT recommendations ? (2 msgs)  
    FT-990 vs TS-850  
    HEATHKIT CORP!!  
    HTX-100 and MFJ 947D Forsale  
Info on converting commercial gear  
    Info on Slovakian hams  
    Is the Atlas 310 for real?  
Kenwood AT-250 and TS-440S - Question  
    MFJ Antenna Tuner  
    Need Dayton room  
    Yaesu

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>  
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Tue, 22 Mar 1994 07:55:47 +0600  
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!news.tamu.edu!idmb-secretary.tamu.edu!  
user@network.ucsd.edu  
Subject: 2m HT recommendations ?  
To: ham-equip@ucsd.edu

In article <2m10k0\$3b4@nnntp.ucs.ubc.ca>, harland@sabre.mech.ubc.ca (Harland  
MacKenzie) wrote:

> I am thinking about buying a 2m HT. I have read the glossy ads,  
> in CQ and 73 but I can not come to any conclusions.  
>

> Which do you use ? What are its good / bad points ?  
>  
> Is power important or is battery life more critical ?  
>  
> What features are important DTMF, CTCSS, pageing, ...

As far as power vs. battery life, it all depends on how you intend to use it. If you're mainly going to be accessing local repeaters, then a lot of power is not too important. If you're going to be doing a lot of simplex operation, especially with distances involved, you want to be able to run more power. I suggest that you make sure you get a second battery pack, so that you can use one while charging the other. If you want to spend around \$100, you can get a 1 hour quick charge unit. Also, for mobile operation, you can get an car adapter to plug it into the lighter, thereby giving you full power (most battery packs that come with HT's don't put out the full 5 watts, usually only around 2.5. You have to buy an extra, larger battery pack for the full watts output).

As far as features, you'll want CTCSS, so that you can access repeaters that require pl tones (important in crowded areas, or for closed repeaters). DTMF is important if you want to use autopatches. I consider those two the minimum requirements to get. Other nice touches are battery saver features, paging, pl tone scanning and stuff like that.

> I am looking at models from Kenwood, Yeasu, and I-COM. I am  
> leaning toward the Kenwood TH-28A. I am also looking at the  
> Yeasu F-11R and 411 as well as a few models from I-COM.

I have a Yaesu FT-530 (it's a 2 band, 2m and 70cm) and love it, especially the pl tone scanning feature. I'm not up on single band units. A previous reply to you mentioned intermod problems in large cities. I have heard that the Radio Shack 202 model is very good about not having intermod problems, since it is designed as ham band only. The drawback is you can't modify it to work as a scanner, it's a little bigger than most new HT's, not as many features, and many people are prejudiced against Radio Shack products. However, I have found several people on here and on Genie who are quite pleased with theirs.

Troyce  
KC5CBI

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Please read THE ELEMENT OF FIRE by Martha Wells, a Tor hardback at  
quality bookstores near you. I live with the author and want  
to go back to Disney World this year :)  
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Date: 22 Mar 94 08:36:49 -0700  
From: ihnp4.ucsd.edu!usc!sol.ctr.columbia.edu!hamblin.math.byu.edu!news.byu.edu!  
yvax.byu.edu!sandersm@network.ucsd.edu  
Subject: 2m HT recomendations ?  
To: ham-equip@ucsd.edu

In article <2m10k0\$3b4@nnntp.ucs.ubc.ca>, harland@sabre.mech.ubc.ca (Harland MacKenzie) writes:

> I am thinking about buying a 2m HT. I have read the glossy ads,  
> in CQ and 73 but I can not come to any conclusions.  
>  
> Which do you use ? What are its good / bad points ?  
>  
> Is power important or is battery life more critical ?  
>  
> What features are important DTMF, CTCSS, pageing, ...  
>

Harland:

We live about 30 miles south of Salt Lake City, and have many repeaters adorning the mountain tops all around. We have found that power is not greatly significant unless you are in a poor location. Most of the time we use 2.5 watts, but have the capability for 5W. DTMF - a resounding yes for the occasional auto patch, especially for emergencies and 911 service. We don't use CTCSS/paging, but it would be a nice feature if my wife ever decided to get her license. Battery life is not critical as long as you have a second battery. We have a couple of 7 amp hour gell cells that we can plug in for longer term operation like going camping. I had a 28A and found it susceptible to intermod, even in my distant location from the big city. It had some great features: I especially liked the clock radio feature that would turn it on at the time I preset, so my commute group would wake me up and get me going <HI>! We have ended up with three Alinco DJ-180T/H. They are not fancy, but do the job very well (3 hams in our family). I bought two of them with the 12 volt battery, and mine has the 7.2V battery. They have DTMF, scan, and memories, as well as out of ham band receive, but no real "frills". I am currently using mine on my packet station until I convert over to a mobil unit.

Another recommendation is the Yaesu FT-530 dual band. It is a great radio. My son's friend just bought one after involving us in their search, and it really works well. My son is saving up for one (in fact he wants to sell some of my equipment to get some money - cheeky 13 yr olds!).

Good luck,  
Milt  
KB7MSF

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Date: Mon, 21 Mar 1994 09:14:50 GMT  
From: ihnp4.ucsd.edu!pacbell.com!sgiblab!sdd.hp.com!col.hp.com!news.dtc.hp.com!  
hplextra!hplb!hpwin052!hpqmoea!dstock@network.ucsd.edu  
Subject: FT-990 vs TS-850  
To: ham-equip@ucsd.edu

Uri Blumenthal (uri@watson.ibm.com) wrote:  
: In article <19MAR94.18754189.0121@UNBVM1.CSD.UNB.CA>, NADO0000 <NADO@UNB.CA>  
writes:  
: > >>didn't give me a single problem, nor to anybody of my  
: > >>friends, who seeing my 990 chose to buy similar rig  
: >                       ^^^^^^  
: > I don't think one should pick a radio just on looks.  
  
: Come on, don't you really understand, that "seeing" in the  
: context meant they tested it in all the modes they wanted?  
  
: If it was a joke - I apologize.  
  
: (: -).

    Hmm this takes me back a couple of years, the first TS850 I saw was  
on a stand at a rally. There was a large crowd around it, fighting to  
spin its knobs and poke its buttons. It seemed rather futile, really, as  
none of the stands had any electrical power, and the set was  
consequently unpowered. They must have really liked the feel of those  
knobs because some people were offering to buy it there and then,  
untried. One individual in my hearing offered the stall holder a premium  
over the list price just to get that one, said to be the first in the  
area. To fully understand the meaning of this, readers in the US must  
note that in the UK, list price is strictly selling price, although you  
might get them to throw in an accessory worth a few percent of the deal.  
UK list price is about double the US prices seen in QST.

    I was somewhat stunned by this, and have watched for the effect  
recurring, which it did at another rally when the TS50 showed up.

    I have witnessed people buying radios by appearance !

    I just can't decide whether it is a joke or not, although P T Barnum  
would have found it funny....

Cheers

David GM4ZNX

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Date: 22 Mar 1994 11:16:48 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!pipex!sunic!  
trane.uninett.no!due.uninett.no!marton.hsr.no!johanna4!staale@network.ucsd.edu  
Subject: HEATHKIT CORP!!  
To: ham-equip@ucsd.edu

hmm, i need help....

this aint the right group, but maybe someone can help me..

I have a digital weather station from Heath Comp.

But since theyre gone, where do i get some spare parts i need....

The outdoor temperature sensor is completely gone.( standin at -168 degrees  
celcius)

if anyone could direct me to some complany that could help me i would be  
grateful...

please respond by mail to staale@hsr.no since i dont read news that often..

LA 4 HW  
Ole J. Oddsen  
Skjaeveland  
N-4300 SANDNES  
NORWAY

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Date: Tue, 22 Mar 1994 15:58:44 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!library.ucla.edu!csulb.edu!csus.edu!  
netcom.com!pineapp@network.ucsd.edu  
Subject: HTX-100 and MFJ 947D Forsale  
To: ham-equip@ucsd.edu

I have two items forsale.

- 1) Radio Shack HTX-100 10 meter mobile radio. Asking  
\$150.00 or best offer.
- 2) MFJ 947D Antenna Tuner. Asking \$80.00

This does not include COD and shipping.

If interested please reply via e-mail.

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| INTERNET: pineapp@netcom.com      (DC436)      | Daniel Curry  WB6STW      |
| AMPRNET : dan@wb6stw.ampr.org    [44.4.20.144] | E-:-) Ham Radio Operator |
| AX.25   : wb6stw@n0ary.#NOCAL.CA.USA.NA      | Redwood City, CA USA     |
|-----+-----
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Date: Mon, 21 Mar 1994 17:18:49 GMT  
From: olivea!sgigate.sgi.com!sgiblab!darwin.sura.net!rsg1.er.usgs.gov!  
dgg.cr.usgs.gov!bodoh@ames.arpa  
Subject: Info on converting commercial gear  
To: ham-equip@ucsd.edu

I just invested \$8 at a swap meet for two mobile VHF trancivers. They are set for the 150-151 Mhz range, and I would like to see if I can get them set up for repeater/packet use. The manufacturer is 'General Aviation Electronics' and the model is 'Genave Mobiline I'. The seller (of course) claims they work and put out about 20W. I can probably get crystals from Jan, but I would appreciate any info I can get on converting these. Thanks...

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+++++
+ Tom Bodoh - Sr. systems software engineer, Hughes STX, N0YGT      +
+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198      (605) 594-6830  +
+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66)
+
+ "Welcome back my friends to the show that never ends!" EL&P
+
+++++
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Date: 23 Mar 94 05:18:27 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!news.cac.psu.edu!news.pop.psu.edu!  
ctc.com!birdie-blue.cis.pitt.edu!godot.cc.duq.edu!toads.pgh.pa.us!w2xo!  
durham@network.ucsd.edu  
Subject: Info on Slovakian hams  
To: ham-equip@ucsd.edu

I include packet mail from a local ham who is looking for info on Slovakian ham radio...

>From N3JHA%K30IW.#WPA.PA.USA.NA@w2xo.pgh.pa.us Tue Mar 22 22:40:32 1994  
>To : W2X0@W2X0.#SWPA.PA.USA.NOAM

>Hi Jim,  
>Last Tuesday, Bud WA3JPJ visited my shack and after telling him of my troubles  
>contacting the Slovak Republic. He thought of you and we sent a message from my  
>machine to you asking for information in contacting Slovakia. Since then,  
>the home board K30IW has been up and down, so I'm not sure if you received  
>the original message, or if maybe your reply was lost so I am sending  
>a follow-up. My wife is from what is now Slovakia, OM3 land and we will  
>be visiting there this summer. I am taking a HF station for my brother-  
>in-law and need to find out if I can buy a Power Supply there or if I  
>need to take one. Thanks in advance for your help.  
>73 Duffy N3JHA @ K30IW.WPA.PA.USA.NA  
>sk

If you can help him, you can mail to him as  
N3JHA%K30IW.#WPA.PA.USA.NA@w2xo.pgh.pa.us .

This will gateway it through to packet.

Thanks,  
Jim Durham, W2X0

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Date: Mon, 21 Mar 1994 10:35:09 CST  
From: elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!math.ohio-state.edu!  
news.acns.nwu.edu!uicvm.uic.edu!u40241@ames.arpa  
Subject: Is the Atlas 310 for real?  
To: ham-equip@ucsd.edu

Atlas radio has been advertising the 310 model since Nov. 1992 and collecting  
half-payment for early orders. They don't seem to be answering the phone and  
product development time seems to be getting out-of-hand. Does anyone have  
inside information on the status of this cute little photo of a radio?

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Date: Mon, 21 Mar 1994 13:36:50 -0500  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!math.ohio-state.edu!  
news.acns.nwu.edu!ftpbox!mothost!lmpsbbs!NewsWatcher!user@network.ucsd.edu  
Subject: Kenwood AT-250 and TS-440S - Question  
To: ham-equip@ucsd.edu

In article <ojg.79.0036DE35@tis.inel.gov>, ojg@tis.inel.gov (Jay C.

Greenberg) wrote:

> I have recently acquired a Kenwood AT-250 and I already had a TS-440S.  
> In the manual for the 440S, it lists the AT-250 as optional equipment.  
> I got the manual for the AT-250, but it does not address how to  
> interface it to the 440S. Anyone know how???

Jay, I looked high and low for a smiley face in your article and didn't see any, so here goes:

It interfaces exactly the same as it did on the TS-430. Connect the antenna jack of the rig to the radio input on the tuner, using an appropriate cable such as RG-8/U.

> Please help! the AT-250 works (tried it out on a 430.)

Congratulations, you already had the answer and didn't know it. The AT-250 came out before the TS-440 transceiver, which is why it is not mentioned in the AT-250 manual.

I sure hope you didn't think the AT-250 would be like the fully automatic internal antenna tuner of the TS-440S/AT. You still must perform all tuning adjustments manually, using the "tune" button on the radio to key with only 3 watts output. Higher power tuning into high VSWR (VSWR>7:1) can DEFINITELY cause component failures in the TS440. Replacement of the PA transistors is not a cheap repair.

>  
> Thanks!  
>  
> Jay - WA4VRV  
>  
>  
> For all email, write to:  
>  
> ojg@tis.inel.gov or GREENBJC@inel.gov  
>  
> 73's

--

Karl Beckman, P.E. < STUPIDITY is an elemental force for which >  
Motorola Comm - Fixed Data < no earthquake is a match. -- Karl Kraus >

The statements and opinions expressed here are not those of Motorola Inc. Motorola paid a marketing firm a huge sum of money to get their opinions; they have made it clear that they do not wish to share those of employees.

Amateur radio WA8NVW @ K8MR.NEOH.USA.NA

NavyMARS VBH @ NOGBN.NOASI



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Date: 21 Mar 94 17:12:27 GMT  
From: ncrqw2.ncr.com!ncrhub2!tdbunews!copsw61!gr5@uunet.uu.net  
Subject: MFJ Antenna Tuner  
To: ham-equip@ucsd.edu

I have a MFJ 986 and I am really happy with the way that it works. I find the two knob tuning system to be a lot easier for me to use than the three knob tuning on the 989C.

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Date: 22 Mar 1994 23:09:44 -0500  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!news.intercon.com!udel!news.udel.edu!brahms.udel.edu!not-for-mail@network.ucsd.edu  
Subject: Need Dayton room  
To: ham-equip@ucsd.edu

Please forgive the cross posting if you will.

I need a room for two for Thursday, Friday and Saturday night at Dayton. We have one room at the Hampton House with the FRC, and want one more closeby if possible.

CU at contest forum and dinner, FRC suite, hamfest etc.

Tnx Bob

--  
Bob Penneys, WN3K Frankford Radio Club Internet: penneys@pecan.cns.udel.edu  
Work: Ham Radio Outlet (Delaware) (800) 644-4476; fax (302) 322-8808  
Mail at home: 12 East Mill Station Drive Newark, DE 19711 USA

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Date: Mon, 21 Mar 94 14:47:00 +0100  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!pipex!sunic!seunet!seunet!cindy!uugate@network.ucsd.edu  
Subject: Yaesu  
To: ham-equip@ucsd.edu

CAN ANYONE HELP ME WITH SOME MODS FOR A YAESU FT-33R ?

... "Scotty, beam me up another Blue Wave message."  
\_\_\_ Blue Wave/QWK v2.12

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Date: 22 Mar 1994 15:28:45 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!vixen.cso.uiuc.edu!  
ux2.cso.uiuc.edu!ignacy@network.ucsd.edu  
To: ham-equip@ucsd.edu

References <2mfkd6\$8p4@apple.com>, <19MAR94.18754189.0121@UNBVM1.CSD.UNB.CA>,  
<2m19q1\$25h@hplvec.lvld.hp.com>  
Subject : RF and AF speech processors. Was: FT-990 vs TS-850

It seems that the SSB quality depends on 3 factors:

1. Passband characteristics of the AF chain (including the microphone),
2. IMD of the PA,
3. Type of processing, audio or RF?

I am wondering why the QST reviews do not mention the type of processing, which has a large effect on signal quality. Signals with audio processing have higher content of AF harmonics, and are subsequently less efficient (3db?) and more difficult to tune. All cheaper rigs such as IC 725-737, FT 747-757, TS 430-450 use AF processing. IC 751-, FT990-, TS 830- use RF processing. I am not sure about the rest.

Ignacy Misztal, N09E, SP8FWB  
University of Illinois  
ignacy@uiuc.edu

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Date: Tue, 22 Mar 1994 14:49:14 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!math.ohio-  
state.edu!magnus.acs.ohio-state.edu!csn!col.hp.com!fc.hp.com!jayk@network.ucsd.edu  
To: ham-equip@ucsd.edu

References <2mfkd6\$8p4@apple.com>, <19MAR94.18754189.0121@UNBVM1.CSD.UNB.CA>,  
<2m19q1\$25h@hplvec.lvld.hp.com>  
Reply-To : jayk@fc.hp.com  
Subject : Re: FT-990 vs TS-850

Scott Turner (scott@lvld.hp.com) wrote:

: How do these rigs sound on the air! At the risk of starting a flame  
: war, I'll venture the opinion that, in general, I find Kenwoods putting  
: out among the best sounding signals on the air.  
: Scott Turner N0VRF scott@hplsla.LVLD.HP.COM

As I remember from the 850 review in QST sometime back they didn't like the 850 at near full output on SSB. They claimed it got a bit dirty (wide) I think. Maybe someone with the article handy can give the exact quote.

73, Jay K0GU jayk@fc.hp.com

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Date: 21 Mar 1994 09:17:08 -0800  
From: olivea@apple.com!apple.com!not-for-mail@ames.arpa  
To: ham-equip@ucsd.edu

References <2m58sq\$12hg@watnews1.watson.ibm.com>, <2mfkd6\$8p4@apple.com>,  
<19MAR94.18754189.0121@UNBVM1.CSD.UNB.CA>  
Subject : Re: FT-990 vs TS-850

NAD0000 <NADO@UNB.CA> writes:

>In article <2mfkd6\$8p4@apple.com> kchen@apple.com (Kok Chen) writes:  
>>>didn't give me a single problem, nor to anybody of my  
>>>friends, who seeing my 990 chose to buy similar rig  
> ^^^^^^^^^^^

>I don't think one should pick a radio just on looks.

QRZ, QRZ. That ain't me who said that!

I also own a Ten-Tec rig. Have you ever seen a Ten-Tec rig that looks good? :-) :-). Moreover, I drive a Saab and I get taunted all the time for uglifying the parking lot.

Vote for best looking rig: the National HRO-500.

73,

Kok Chen, AA6TY kchen@apple.com  
Apple Computer, Inc.

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End of Ham-Equip Digest V94 #75  
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